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VERSION DESCRIPTION DOCUMENT
FOR THE
SUN RUDRS CSCI v2.0.9

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1 SCOPE

1.1 IDENTIFICATION

This Version Description Document (VDD) identifies and describes the requirements for the Navy Reserve Unit Data Resource System (RUDRS) Computer Software Configuration Item (CSCI) into the Global Command and Control System (GCCS) environment. RUDRS had been previously submitted in the Worldwide Military Command and Control System (WWMCCS) environment; it was originally hosted on the U.S. Atlantic Fleet (CINCLANTFLT) host, subsequently moved to the Chief of Naval Operations (CNO) host, and then rehosted at CICNLANTFLT as a result of the CNO-CINCLANTFLT WWMCCS host consolidation.

1.2 SYSTEM OVERVIEW

The overall purpose of the interface between GCCS and COMNAVRESFOR is to establish the capability to rapidly and automatically pass Naval Reserve Data to GCCS. This information supports the Joint Deployment System (JDS) in the planning and execution of its missions.

RUDRS provides for, and maintains, a database of Naval Reserve Force (NFL) data accessible to Fleet Commanders in Chief (FLTCINCS) via GCCS for use in both deliberate and execution planning. The NRFL Database Interface permits the introduction of data from the Reserve Training Support System (RTSS).
This data is transferred via floppy disk to a remote GCCS workstation. The COMNAVRESFOR user then accesses Joint Operations Planning and Execution System (JOPES) Scheduling and Movement databases, also in GCCS, to conduct data validation checks of Geological Locations (GEOLOCs), and Unit Type Codes (UTCs). The validated NRFL is then made available for FLTCINC use.

1.3 DOCUMENT OVERVIEW

This document contains information on the changes in the RUDRS CSCI v2.0.9 release. Section 1 provides a system identification and overview, and an overview of this document. Section 2 contains a list of documents referenced in this report. Section 3 defines the version of RUDRS and identifies changes made since the previous release; it also contains Installation Instructions (II) and a Known Problems List (KPL) as required by the Defense Information Systems Agency (DISA), Chief Configuration Management (CM) Division. Section 4 provides a glossary and list of acronyms.

2 REFERENCED DOCUMENTS

2.1 GOVERNMENT DOCUMENTS

a. Specifications

None

b. Standards

1. DOD-STD-2167A, Defense System Software Development, 29 February 1988.

c. Other Publications

1. Data Item Description, Version Description Document, DI-MCCR-80013A, Approval date 880229.

2.2 NON-GOVERNMENT DOCUMENTS

a. Specifications

None

b. Standards

None

c. Other Publications

1. Software Requirements Specification (SRS) for the RUDRS CSCI, CDRL A012, Document Number: 000519, Rev.-A, dated 15 November 1996.

2. Operators Manual (OM) for the RUDRS CSCI (FRON END), CDRL A030, Document Number: RUDRS-OM, Rev.:-, dated 15 November 1996.

3. Operator’s Manual (OM) for the RUDRS CSCI (BACK END), CDRL A030, Document Number: RUDRS-OM, Rev.:-, dated 15 November 1996.

4. Software Test Description (STD) for the RUDRS CSCI v2.0, CDRL A017, Document Number 000521, Rev.:-, dated 31 May 1995.

3 VERSION DESCRIPTION

3.1 INVENTORY OF MATERIALS RELEASED

3.1.1 Physical Media

The RUDRS CSCI v2.0.9 is delivered on 8mm tape. The tape was created on 15 November 1996 on a SUN SPARC using Solaris 2.3. The tape was created using the tar relative pathing method with the command "tar cvf RUDRS". The software is unclassified. Only the runtime environment is delivered.

The RUDRS CSCI Software Test Data was included with previous releases. The test data is unclassified.

3.1.2 Associated Documentation

This Version Description Document accompanies the delivered software. An Operator's Manual (OM), Software Requirements Specification (SRS), are also delivered with v2.0.9. Software Test Description (STD) was delivered previously.

3.1.3 Non-Delivered Documents

A Database Specification (DBS) for RUDRS will not be delivered. RUDRS contains a Government-owned Ada database product which is self-contained within the RUDRS segment. At a GCCS Version 2.1 Engineering Meeting on 5 May 1995, PRC requested a waiver for the DBS requirement because of the self contained nature of the RUDRS database. Major Frank Brady, USMC (DISA) granted a verbal waiver; a written waiver is pending and will be submitted for record purposes upon receipt. A database specification will be submitted concurrent with future plans for RUDRS to access GCCS COE database products.

A Software Test Plan (STP) for RUDRS is not provided as a separate deliverable. High level test plans are contained in the Software Test Description.

A System Test Report (STR) for RUDRS is not provided as a separate deliverable.

Installation Instructions (II) for RUDRS provided in section 3.9.

A Known Problem List (KPL) for RUDRS in section 3.10.

3.2 INVENTORY OF CSCI CONTENTS

Appendix A, Deliverable Software, identifies all run-time files delivered with the RUDRS 2.0.9 segment. The software is composed of data files, executables and COE files.

3.3 CLASS I CHANGES INSTALLED

No Class I changes were installed in this release.

ECPs have not been used on this task up to this point.

3.4 CLASS II CHANGES INSTALLED

Release 2.0.9 is a complete runtime environment. The following modifications were made to Release 2.0.8:

1. Corrects operations of the GEO Codes and UTC Codes button on the Detail Screen.
2. Updated Version, Release Notes. Config and other GCCS files.

3.5 ADAPTATION DATA

No changes were made to the site-unique data delivered with RUDRS v2.0.

3.6 INTERFACE CAPABILITY

RUDRS contains three external interface requirements. First, it requires an interface to the Joint Operations Planning and Execution System (JOPES) Standard Reference Files (SRF) Geographic Location (GEOLOC) and Type Unit Characteristics (TUCHA) files for data validation. It also requires an interface to the JOPES Time Phased Force Deployment Data (TPFDD) files to provide the capability for Fleet Commander-In-Chiefs (FLTCINCs) to generate reserve augmentation requirements based on TPFDD requirements. Because of the unavailability of a full JOPES suite for test purposes at PRC, the interfaces were tested at the OSF.

3.7 BIBLIOGRAPHY OF REFERENCE DOCUMENTS

RUDRS v2.0 was delivered with three support documents, the Operators Manual, Version Description Document, and RUDRS Software Test Description. This VDD replaces the initial submission.

3.8 SUMMARY OF CHANGE

RUDRS v2.0 is a complete migration effort taking the application from a WWMCCS to a UNIX environment with Solaris 2.3 and a Motif interface. V2.0.9 correct the operation of the GEO Codes and UTC Codes button on the Detail screen.

3.9 INSTALLATION INSTRUCTIONS

RUDRS is installed at the Commander-In-Chief U.S. Atlantic Fleet (CINCLANTFLT), Commander-In-Chief U.S. Naval Forces Europe (CINCUSNAVEUR), Commander-InChief U.S. Pacific Fleet (CINCPACFLT), Deputy Commander-In-Chief U.S. Naval Forces Central Command (DEPCOMUSNAVCENT), and at Commander Naval Reserve Force and subsequent versions may be fielded at additional Navy Echelon II and Echelon III commands having GCCS.

RUDRS v2.0.9 is placed in the GCCS. The following installation instructions apply.

1. Contact the RUDRS user before installing the segment.

2. Determine where it makes sense to install RUDRS.

3. Only install RUDRS where it is NEEDED. Do not install RUDRS on every client!
Typically, there will only be ONE user.

4. All users must be configured/added to the MASTER config file for RUDRS.
This file is located in /h/RUDRS/data/values. Using "vi" or a similar editor,
duplicate the entry RUDRS within MASTER and change the word TEST (upper-case)
for each $USER. This modification must be performed for each RUDRS user.
By default, the pathname associated with the $USER entry should not require
modification unless the entire segment is relocated.

5. Users may be assigned individual configuration files. Any item added to the user's config file will override the corresponding item in the segment config file.

To permit NRFL & CINC-NRFl access, execute the following:

cd /h/RUDRS/data/values
cp config.FRONT config.<$USER>

example: cp config.FRONT config.BILL

To restrict access to CINC-NRFL only, execute the following:

cd /h/RUDRS/data/values
cp config.BACK config.<$USER>

example: cp config.BACK config.BILL

By default, config.FRONT is set to READ_WRITE and config.BACK is set to permit WRITE access.
To restrict config.$USER to READ access only, change the config.$USER entry
from FALSE to TRUE (upper-case) using "vi" or a similar editor.

6. Site specific printer assignments should be entered in /h/RUDRS/Scripts/rrprint
and /h/RUDRS/data/values/config by the System Administrator.

7. The default PASSWORD is 'rudrs' and should be changed ASAP by the
System Administrator or Root.

8. Procedure to execute RUDRS via an XTERM:

```
$ csh
$ cd /h/RUDRS
$ setenv USER_DATA <users home path>
$ ./progs/run_rudrs
```

9. Procedure to relocate the RUDRS geo/tucha/data files.

   a. Create a directory "hash" in the new location, with 777 permissions.

   b. Edit ".cshrc.RUDRS" located in $RUDRS_SCRIPTS, changing the environment variable for $RUDRS_GLBDAT_HASH to the new location.

   CURRENT ENTRY--> setenv RUDRS_GLBDAT_HASH $RUDRS_GLBDAT/hash
   NEW--> setenv RUDRS_GLBDAT_HASH /users/bogus/hash

If file system space continues to be a problem, similar procedures can be cautiously applied to other data files currently stored in /h/data/global.

3.10 POSSIBLE PROBLEMS AND KNOWN ERRORS

1. Until the NRFL/CINC-NRFL databases are populated, exception error messages will appear in the STATUS window during initialization.

2. Following segment installation and the initial RUDRS execution, select LOAD GEO/TUCHA FILES and retrieve the geo/tucha data. The geo/tucha data must be resident prior to loading/creating the NRFL database or proper NRFL validation will not occur. Once the geo/tucha data is resident, LOAD GEO/TUCHA FILES should only be accessed to update the existing geo/tucha data (NAVRESFOR only.)

3. "JOB FAILED TO SPAWN" can and will appear should the GEO_TUCHA retrieval spawn job exceed the timeout value allocated (10 minutes) in the config file (SECONDS_TO_TIMEOUT_GEO_TUCHA)(NAVRESFOR only.)

4. In the event of an ungraceful exit or program termination, the application may fail future initialization with the error "TOO MANY USERS". The correction is too execute $RUDRS_SCRIPTS/cleanup from an xterm and re-initialize the application.

4 NOTES

4.1 GLOSSARY

4.2 ACRONYMS

CDRL	Contract Data Requirement List
CM	Configuration Management
CNO	Chief of Naval Operations
COE	Common Operating Environment
COMNAVRESFOR	Commander Naval Reserve Force
CSCI	Computer Software Configuration Item
DBS	Database Specification
DISA	Defense Information Systems Agency
FLTCINCS	Fleet Commanders-in-Chief
GCCS	Global Command and Control System
GEOLOC	Geographic Location
II	Installation Instructions
JOPES	Joint Operations Planning and Execution System
KPL	Known Problems List
OM	Operators Manual
OPLANS	Operation Plans
RTSS	Reserve Training Support System
RUDRS	Reserve Unit Data Resource System
SPAWAR	Space and Naval Warfare Systems Command
SRS	Software Requirements Specification
STD	Software Test Description
STP	Software Test Plan
STR	System Test Report
TPFDD	Time Phased Force Development Data
TUCHA	Type Unit Characteristics
USACOM	U.S. Atlantic Command
VDD	Version Description Document
WWMCCS	Worldwide Military Command and Control System

APPENDIX A - DELIVERABLE SOFTWARE

Scripts
SegDescrip
data
help
progs
uid

./Scripts:
cleanup
determine_oracle_password
elaboration_message
fixit
geo_tucha
get_geo.sql
get_tpfdd
get_tucha.sql
import
initialize
input
input_back
input_front
pr_with_margins
pr_without_margins
print
put_tpfdd
recovery
rgrep
rrprint
run_application
terminate

./SegDescrip:
Comm.deinstall
Community
DEINSTALL
Hardware
Menus
ModName
PostInstall
PreInstall
ReleaseNotes
Requires
Security
SegType
VERSION
Validated

./data:
LOG_INIT
MASTER
Prefs
Profiles
global
local
menus
pixmaps
print
rudrs
values

./data/Prefs:
BREAK
RUDRS
STARTUP
STATUS

./data/Profiles:
LaunchDesc.RUDRS
LaunchList.RUDRS
Profiles.RUDRS

./data/global:
rudrs

./data/global/rudrs:
char
enum
hash
nrfl
nrfl_trans

./data/global/rudrs/char:
all
alpha
alpha_numeric
alpha_numeric_slash
numeric
numeric_period
printable
upper_alpha
upper_alpha_numeric
upper_alpha_numeric_hyphen
upper_alpha_numeric_nul
upper_alpha_numeric_nul_hyphen
upper_alpha_numeric_slash
upper_alpha_numeric_space
upper_alpha_numeric_space_hyphen

./data/global/rudrs/enum:
classification
command
destination
destination_key
error
lukasiewiczean
nrfl_field
nrfl_key
orientation
tpfdd_force_record_field
tpfdd_ident_record_field
transaction
transaction_field
transaction_key
transportation_provider
u_s_state
user

./data/global/rudrs/hash:

./data/global/rudrs/nrfl:

./data/global/rudrs/nrfl_trans:

./data/local:
rudrs

./data/local/rudrs:
LOG_INIT
cinc
cinc_trans
dest
inout
print
tpfdd

./data/local/rudrs/cinc:

./data/local/rudrs/cinc_trans:

./data/local/rudrs/dest:

./data/local/rudrs/inout:
1ar_396.txt
input
interfa.50
interfa.txt
interfa1.txt
interfa2.txt
interfa3.txt
interfa4.txt
output
rtss.bak

./data/local/rudrs/print:

./data/local/rudrs/tpfdd:

./data/menus:
Menu.rudrs

./data/pixmaps:
rudrs.img

./data/print:

./data/rudrs:
buffer
counter
null
password
readiness

./data/values:
config
config.BACK
config.FRONT
config.JEFF
message

./help:
CINC-NRFL_Index
CINC-NRFL_Query
Database
Destination_Detail
Destination_Index
Error_Message
Finder_Query
GEO-TUCHA_Geo_Query
GEO-TUCHA_Tucha_Query
General
Input_Back_Query
Input_Front_Query
Maintenance_Detail
Maintenance_Query
NRFL_Detail
NRFL_Geo_Tucha
NRFL_Index
NRFL_Query

Password_Detail
Print
System
TPFDD_Augment_Query
TPFDD_Augment_Report
TPFDD_Create_Query
TPFDD_Create_Report
TPFDD_Update_Query
TPFDD_Update_Report
Transaction_Index
Transaction_Query
Utilities

./progs:
RUDRS_break_driver
RUDRS_create_geo_tucha
RUDRS_driver
RUDRS_generate_extract
RUDRS_get_latest_modification
RUDRS_status_driver
run_break
run_rudrs
run_status

./uid:
break_uil.uid
rudrs_uil.uid
status_uil.uid